INTERNATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07C2/32

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Rec'd PCT/PTO

01 OCT 2004

Ma_0.0 mam.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7 C07C

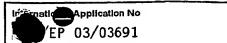
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CHEM ABS Data

Category °	Citation of document, with indication, where appropriate, of the	e relevant passages	Relevant to claim No.
A	EP 0 537 609 A (ETHYL CORP) 21 April 1993 (1993-04-21) cited in the application page 2, line 1 - line 4 page 3, line 41 -page 5, line 1 table 1 claims	10	1-7
Α	DE 199 43 544 A (BASF AG) 15 March 2001 (2001-03-15) page 2, line 1 - line 23 page 5, line 31 - line 35		1-7
X Furth	ner documents are listed in the continuation of box C.	χ Patent family members are listed	n annex.
"A" docume consid "E" earlier of filing d "L" docume which i citation "O" docume other n "P" docume	nt which may throw doubts on priority claim(s) or is cited to establish the publication date of another or other special reason (as specified) and referring to an oral disclosure, use, exhibition or	 "T" later document published after the interest or priority date and not in conflict with cited to understand the principle or the invention "X" document of particular relevance; the coannot be considered novel or cannot involve an inventive step when the document of particular relevance; the coannot be considered to involve an inventive sombined with one or moments, such combination being obvious in the art. "&" document member of the same patent for priority date. 	the application but cory underlying the laimed invention be considered to cument is taken alone almed invention rentive step when the re other such docu- s to a person skilled
Date of the a	actual completion of the international search	Date of mailing of the international sea	rch report
19	9 August 2003	29/08/2003	
Name and m	nailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer O'Sullivan, P	





		EP 03/03691
C.(Continua	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
1	TANI ET AL: "Preparation of.alphaolefin polymers by the use of vanadium or chromium complex catalysts" STN CAPLUS, XX, XX, vol. 129, no. 18, 2 November 1998 (1998-11-02), XP002139725 abstract	1-7
	EP 0 531 174 A (MITSUI PETROCHEMICAL IND) 10 March 1993 (1993-03-10) page 2, line 40 - line 50 example 1	1-7

INTERNATIONAL SEARCH REPORT

	In Application No					
i	EP	03/03691				

			*				00,00022
	ent document n search report		Publication date		Patent family member(s)		Publication date
EP C	537609	Α	21-04-1993	CA	2079399	A1	17-04-1993
				DE	69212761	. D1	19-09-1996
				DE	69212761	. T2	02-01-1997
				EP	0537609	A2	21-04-1993
				JP	3217500	B2	09-10-2001
				JP	5221882	. A	31-08-1993
				US	5968866	A	19-10-1999
				US	5550305		27-08-1996
				US	5811618		22-09-1998
				US	5744677	Α	28-04-1998
DE 1	9943544	Α	15-03-2001	DE	19943544	A1	15-03-2001
			• • • • • • • • • • • • • • • • • • • •	CN	1348458		08-05-2002
				WO	0058319		05-10-2000
				EP	1171445		16-01-2002
				JP	2002539945	T	26-11-2002
EP 0	531174	A	10-03-1993	JP	· 6254402	. A	13-09-1994
				DE	69203054		27-07-1995
				DE	69203054	T2	16-11-1995
				EP	0531174	A2	10-03-1993
				US	5286695	A	15-02-1994

erest, to office the second section



THIS PAGE BLANK (USPTO)